

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

1-6 (Cancelled)

7. (Currently amended) The method according to Claim 6, A method for retrieving content via a first network from a mobile terminal operable as a server within a second network, wherein devices operable on the second network lack fixed addresses for receiving requests from the first network, the method comprising:

receiving a request for data from the first network, the request including a destination path that includes an identifier that is addressable on the first network and a mobile terminal identifier of the mobile terminal;

modifying the destination path of the request to indicate that a network path of the second network corresponding to the mobile terminal is the source of the content;

modifying the request to indicate that the mobile terminal is operating as a mobile server to provide the requested data;

forwarding the modified request to the mobile terminal; and

supplying content from the mobile terminal in response to the modified request;

wherein forwarding the modified request to the mobile terminal comprises using a Service Loading (SL) content type, and wherein the SL content type comprises:

an action field indicating that the mobile terminal is a data server;

a pathname that indicates where the content is located within the mobile terminal;

a username to identify the requesting network element; and

a password associated with the username.

8. (Original) The method according to Claim 7, wherein the username includes the MSISDN of the requesting terminal.

9-14 (Cancelled)

15. (Currently amended) ~~The mobile server system according to Claim 14, A mobile server system, comprising:~~

a first network and a second network, wherein devices operable on the second network lack fixed addresses for receiving requests from the first network;
a network terminal coupled to transmit a content request via the first network targeted for a destination device on the second network, the request including a destination path having an identifier that is addressable on the first network and a mobile terminal identifier of the destination device;

a proxy coupled to receive the content request and arranged to modify the destination path of the content request to indicate a network path of the second network corresponding to the destination device; and

a mobile terminal coupled to the proxy to receive the modified request and service the request using the network path of the second network, wherein the modified request indicates that the mobile terminal is operating as a mobile server to provide the requested content to the network terminal;

wherein the WAP procedure includes a Service Loading (SL) content type, and
wherein the SL content type comprises:

- an action field indicating that the mobile terminal is a data server;
- a pathname that indicates where the content is located within the mobile terminal;
- a username to identify the network element; and
- a password associated with the username.

16-19 (Cancelled)

20. (New) A method comprising:

receiving a content request at a proxy server via an Internet Protocol (IP) network, wherein the content request is targeted to a mobile terminal lacking a fixed address for receiving requests from the IP network, wherein the content request includes a terminal identifier of the mobile terminal;

sending a message to the mobile terminal using an asynchronous data push service targeted to the terminal identifier, wherein the message includes data indicating that the mobile terminal is being requested to operate as a mobile server in response to the content request;

receiving a Transmission Control Protocol (TCP) connection request at the proxy server from the mobile terminal in response to the message;

establishing a TCP connection between the proxy server and mobile terminal in response to the TCP connection request; and

supplying content from the proxy server on behalf of the mobile terminal using the TCP connection in response to the request.

21. (New) The method according to Claim 20, wherein the terminal identifier includes a Mobile Station International Integrated Services Digital Network Number (MSISDN) associated with the mobile terminal.

22. (New) The method according to Claim 20, wherein the message sent to the mobile terminal using the asynchronous data push service comprises using a Session Initiation Request (SIR) sent via Wireless Application Protocol (WAP) Push.

23. (New) The method according to Claim 22, wherein the message sent to the mobile terminal includes a Service Loading (SL) content type.

24. (New) The method according to Claim 23, wherein the SL comprises an action field indicating that the mobile terminal is a data server.

25. (New) The method according to Claim 25, wherein the SL comprises a username that includes the MSISDN of the requesting terminal.

26. (New) A mobile terminal, comprising:

a transceiver capable of being coupled to a mobile operator network;

a memory storing content and instructions; and

a processor coupled to the transceiver and the memory, wherein the instructions cause the processor to,

receive a message from a network proxy of the mobile operator network via an asynchronous data push service, wherein the message includes data indicating that the mobile terminal is being requested to provide the content as a mobile server in response to a content request originating from an Internet Protocol (IP) network, and wherein the mobile terminal lacks fixed addresses for receiving requests from the IP network;

establish a Transmission Control Protocol (TCP) connection with the network proxy in response to the message; and

supply the content to the proxy server via the TCP connection in response to the message, wherein the proxy server provides the content in response to the content request on behalf of the mobile terminal.

27. (New) The mobile terminal according to Claim 26, wherein the asynchronous data push service of the mobile operator network comprises Wireless Application Protocol (WAP) Push, and wherein the message comprises a Session Initiation Request (SIR).

28. (New) The mobile terminal according to Claim 26, wherein the asynchronous data push service of the mobile operator network comprises Wireless Application Protocol (WAP) Push, and wherein the message comprises a Service Loading (SL) content type having an action field indicating that the mobile terminal is a data server.

29. (New) A computer-readable medium having instructions stored thereon which are executable by a mobile terminal capable of being coupled to a mobile operator network for performing steps comprising:

receiving a message from a network proxy of the mobile operator network using an asynchronous data push service, wherein the message includes data indicating that the mobile terminal is being requested to provide the content as a mobile server in response to a content request originating from an Internet Protocol (IP) network, and wherein the mobile terminal lacks fixed addresses for receiving requests from the IP network;

establishing a Transmission Control Protocol (TCP) connection with the network proxy in response to the message; and

supplying the content to the proxy server via the TCP connection in response to the message, wherein the proxy server provides the content in response to the content request on behalf of the mobile terminal.

30. (New) A proxy server comprising:

data interfaces capable of being coupled to an Internet Protocol (IP) network and a mobile operator network;

a processor coupled to the data interfaces; and

memory coupled to the processor and having instructions that cause the processor to, receive a content request via the IP network, wherein the content request is targeted to a mobile terminal lacking a fixed address for receiving requests from the IP network, wherein the content request includes a terminal identifier of the mobile terminal;

send a message targeted to the terminal identifier using an asynchronous data push service of the mobile operator network, wherein the message includes data indicating that the mobile terminal is being requested to operate as a mobile server in response to the content request;

receive a Transmission Control Protocol (TCP) connection request from the mobile terminal in response to the message;

establish a TCP connection with the mobile terminal in response to the TCP connection request;

receive content from the mobile terminal via the TCP connection; and

send the content to a requestor of the content via the IP network on behalf of the mobile terminal in response to the content request.

31. (New) The proxy server according to Claim 30, wherein the asynchronous data push service of the mobile operator network comprises Wireless Application Protocol (WAP) Push and wherein the message comprises a Session Initiation Request (SIR).

32. (New) The proxy server according to Claim 30, wherein the asynchronous data push service of the mobile operator network comprises Wireless Application Protocol (WAP) Push and wherein the message comprises a Service Loading (SL) content type having an action field indicating that the mobile terminal is a data server.

33. (New) The proxy server according to Claim 30, wherein the identifier of the mobile terminal includes a Mobile Station International Integrated Services Digital Network Number (MSISDN) associated with the mobile terminal.

34. (New) A computer-readable medium having instructions stored thereon which are executable by a network proxy capable of being coupled to an Internet Protocol (IP)network and a mobile operator network, the instructions executable by the network proxy for performing steps comprising:

receiving a content request via the IP network, wherein the content request is targeted to a mobile terminal lacking a fixed address for receiving requests from the IP network, wherein the content request includes a terminal identifier of the mobile terminal;

sending a message targeted to the terminal identifier using an asynchronous data push service of the mobile operator network, wherein the message includes data indicating that the mobile terminal is being requested to operate as a mobile server in response to the content request;

receiving a Transmission Control Protocol (TCP) connection request from the mobile terminal in response to the message;

establishing a TCP connection with the mobile terminal in response to the TCP connection request;

receiving content from the mobile terminal via the TCP connection; and

sending the content to a requestor of the content via the IP network on behalf of the mobile terminal in response to the content request.

35. (New) A mobile server system, comprising:

an IP network and a mobile operator network, wherein devices operable on the mobile operator network lack fixed addresses for receiving requests from the IP network;

a proxy server coupled to the IP network and the mobile operator network, the proxy server comprising:

means for receiving a content request via the IP network targeted for a destination device on the mobile operator network, wherein the content request includes a terminal identifier of the destination device;

means for sending a message targeted to the terminal identifier using an asynchronous data push service of the mobile operator network, wherein the message includes data indicating that the destination terminal is being requested to operate as a mobile server in response to the content request; and

a mobile terminal coupled to the mobile operator network, the mobile terminal comprising:

means for receiving the message from the proxy server;

means for establishing a TCP connection with the proxy server in response to the message; and

means for sending content to the proxy server via the TCP connection in response to the content request, wherein the proxy server supplies the content to the network terminal on behalf of the mobile terminal in response to the content request.